

DMX CHART



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Virtual Color Wheel

The Ovation B-565FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and also as a control channel in select DMX personalities. More than 30 pre-mixed colors, custom blended by our engineers, are available to call up for easier programming.

The DMX values used to mix these colors are provided below. You may adjust the overall intensity of the Ovation fixture in order to more closely replicate colors you are familiar with. A chart is available on our website www.chauvetprofessional.com to compare our pre-mixed colors with popular gel colors. This chart is for comparison purposes only and is not a representation that our pre-mixed colors match any of the gel colors listed.

Virtual Color Wheel Chart

DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 013	C3050 - Md Yellow	150	125	002	255	043
014 ⇔ 021	C3040 - Lt Yellow	235	108	005	255	076
022 ⇔ 028	C3240 - Amb Yellow	171	036	000	120	255
029 ⇔ 035	C2340 - VLt Amber	255	015	017	255	170
036 ⇔ 043	C2040 - Lt Amber	255	000	010	255	143
044 ⇔ 051	C2050 - Md Amber	255	000	003	255	075
052 ⇔ 059	C2060 - Dk Amber	188	000	002	255	044
060 ⇔ 067	C1050 - Lt Red	255	000	002	021	002
068 ⇔ 075	C1080 - Md Red	255	000	002	000	000
076 ⇔ 083	C1020 - NC Pink	255	130	025	255	027
084 ⇔ 091	C1030 - Md Pink	255	013	041	235	182
092 ⇔ 099	C1630 - Dk Pink	255	015	027	030	255
100 ⇔ 107	C1250 - Md Red Amber	255	000	004	115	009
108 ⇔ 115	C1060 - Dk Red Amber	255	000	004	011	008
116 ⇔ 121	C1650 - Magenta	255	000	022	081	039
122 ⇔ 130	C6170 - Dk Magenta	160	000	025	000	004
131 ⇔ 138	C6020 - Lt Lavender	255	162	043	255	140
139 ⇔ 146	C5030 - Lt Blue	012	255	070	076	115
147 ⇔ 154	C5020 - VLt Blue	030	187	085	215	255
155 ⇔ 162	C5430 - Lt Blue 2	004	255	062	093	049
163 ⇔ 170	C5070 - Blue	005	255	190	003	012
171 ⇔ 178	C5050 - Md Blue	008	250	145	005	088
179 ⇔ 186	C5060 - Dk Blue	005	209	255	015	074
187 ⇔ 194	C5690 - Indigo	005	000	200	013	003
195 ⇔ 202	C5080 - VDk Blue	007	112	255	005	007
203 ⇔ 210	C5081 - VDk Blue 2	004	108	255	003	004
211 ⇔ 218	C4370 - Yel Green	004	255	000	005	003
219 ⇔ 226	C4070 - Green	027	255	006	000	020
227 ⇔ 234	C4550 - Turquoise	007	255	021	070	076
235 ⇔ 242	C4560 - Aqua	007	255	031	085	115
243 ⇔ 250	C4570 - Blue Green	002	255	017	002	020
251 ⇔ 255	--	000	000	000	000	000

 Note: The colors above are simulated renditions of the color output produced as compared to other similar incandescent products. Chauvet makes no guarantee of the color output accuracy.

Color Temperature Chart

DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 025	2800K	237	120	036	255	255
026 ⇔ 050	3000K	220	128	050	255	255
051 ⇔ 075	3200K	176	128	057	255	255
076 ⇔ 100	3500K	154	128	080	255	255
101 ⇔ 125	4000K	128	128	112	255	255
126 ⇔ 150	4500K	108	128	133	255	255
151 ⇔ 175	5000K	097	128	152	255	255
176 ⇔ 200	5600K	087	128	170	255	255
201 ⇔ 225	6000K	075	128	177	255	255
226 ⇔ 250	6500K	066	128	187	255	255
251 ⇔ 255	--	000	000	000	000	000

 Note: The color temperatures above are simulated renditions of the color output produced as compared with a tungsten lamp at the specified color temperature. Chauvet makes no guarantee of the color output accuracy.

DMX Values

2-Cell Personalities

2-Cell RGBAL FULL 31CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Dimmer fine	000 ⇄ 255	0–100%
3	Red 1	000 ⇄ 255	0–100%
4	Red fine 1	000 ⇄ 255	0–100%
5	Green 1	000 ⇄ 255	0–100%
6	Green fine 1	000 ⇄ 255	0–100%
7	Blue 1	000 ⇄ 255	0–100%
8	Blue fine 1	000 ⇄ 255	0–100%
9	Amber 1	000 ⇄ 255	0–100%
10	Amber fine 1	000 ⇄ 255	0–100%
11	Lime 1	000 ⇄ 255	0–100%
12	Lime fine 1	000 ⇄ 255	0–100%
13	Virtual Color Wheel 1	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
14	Color Temperature 1	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
15	Strobe 1	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
16	Red 2	000 ⇄ 255	0–100%
17	Red fine 2	000 ⇄ 255	0–100%
18	Green 2	000 ⇄ 255	0–100%
19	Green fine 2	000 ⇄ 255	0–100%
20	Blue 2	000 ⇄ 255	0–100%
21	Blue fine 2	000 ⇄ 255	0–100%
22	Amber 2	000 ⇄ 255	0–100%
23	Amber fine 2	000 ⇄ 255	0–100%
24	Lime 2	000 ⇄ 255	0–100%
25	Lime fine 2	000 ⇄ 255	0–100%
26	Virtual Color Wheel 2	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
27	Color Temperature 2	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
28	Strobe 2	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
29	Strobe all	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
30	Color macros	000 ⇄ 015 016 ⇄ 255	No function Color macros
31	Control (hold for 3 seconds)	000 ⇄ 007 008 ⇄ 015 016 ⇄ 023 024 ⇄ 031 032 ⇄ 039 040 ⇄ 047 048 ⇄ 055 056 ⇄ 063 064 ⇄ 071 072 ⇄ 079 080 ⇄ 087 088 ⇄ 095 096 ⇄ 255	No function Dimmer reset Red shift on Red shift off S-curve dimmer Linear dimmer Square dimmer curve Inverse square dimmer curve Dimmer speed mode OFF Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 (slowest) Reserved for future use

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2-Cell RGBAL Fine 20CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Red fine 1	000 ⇔ 255	0–100%
3	Green 1	000 ⇔ 255	0–100%
4	Green fine 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Blue fine 1	000 ⇔ 255	0–100%
7	Amber 1	000 ⇔ 255	0–100%
8	Amber fine 1	000 ⇔ 255	0–100%
9	Lime 1	000 ⇔ 255	0–100%
10	Lime fine 1	000 ⇔ 255	0–100%
11	Red 2	000 ⇔ 255	0–100%
12	Red fine 2	000 ⇔ 255	0–100%
13	Green 2	000 ⇔ 255	0–100%
14	Green fine 2	000 ⇔ 255	0–100%
15	Blue 2	000 ⇔ 255	0–100%
16	Blue fine 2	000 ⇔ 255	0–100%
17	Amber 2	000 ⇔ 255	0–100%
18	Amber fine 2	000 ⇔ 255	0–100%
19	Lime 2	000 ⇔ 255	0–100%
20	Lime fine 2	000 ⇔ 255	0–100%

2-Cell RGBAL EXT 19CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Lime 1	000 ⇔ 255	0–100%
8	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
9	Color Temperature 1	000 ⇔ 255	Refer to the Color Temperature Chart section for specific values
10	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
11	Red 2	000 ⇔ 255	0–100%
12	Green 2	000 ⇔ 255	0–100%
13	Blue 2	000 ⇔ 255	0–100%
14	Amber 2	000 ⇔ 255	0–100%
15	Lime 2	000 ⇔ 255	0–100%
16	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
17	Color Temperature 2	000 ⇔ 255	Refer to the Color Temperature Chart section for specific values
18	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
19	Strobe all	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

2-Cell RGBA EXT 17CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Dimmer fine	000 ⇄ 255	0–100%
3	Red 1	000 ⇄ 255	0–100%
4	Green 1	000 ⇄ 255	0–100%
5	Blue 1	000 ⇄ 255	0–100%
6	Amber 1	000 ⇄ 255	0–100%
7	Virtual Color Wheel 1	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
8	Color Temperature 1	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
9	Strobe 1	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
10	Red 2	000 ⇄ 255	0–100%
11	Green 2	000 ⇄ 255	0–100%
12	Blue 2	000 ⇄ 255	0–100%
13	Amber 2	000 ⇄ 255	0–100%
14	Virtual Color Wheel 2	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
15	Color Temperature 2	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
16	Strobe 2	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
17	Strobe all	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast

2-Cell RGB EXT 15CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Dimmer fine	000 ⇄ 255	0–100%
3	Red 1	000 ⇄ 255	0–100%
4	Green 1	000 ⇄ 255	0–100%
5	Blue 1	000 ⇄ 255	0–100%
6	Virtual Color Wheel 1	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
7	Color Temperature 1	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
8	Strobe 1	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
9	Red 2	000 ⇄ 255	0–100%
10	Green 2	000 ⇄ 255	0–100%
11	Blue 2	000 ⇄ 255	0–100%
12	Virtual Color Wheel 2	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
13	Color Temperature 2	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
14	Strobe 2	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
15	Strobe all	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast

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2-Cell RGBAL 10CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Lime 1	000 ⇔ 255	0–100%
6	Red 2	000 ⇔ 255	0–100%
7	Green 2	000 ⇔ 255	0–100%
8	Blue 2	000 ⇔ 255	0–100%
9	Amber 2	000 ⇔ 255	0–100%
10	Lime 2	000 ⇔ 255	0–100%

2-Cell RGBA 8CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Red 2	000 ⇔ 255	0–100%
6	Green 2	000 ⇔ 255	0–100%
7	Blue 2	000 ⇔ 255	0–100%
8	Amber 2	000 ⇔ 255	0–100%

2-Cell RGB 6CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%

2-Cell HSV 6CH

Channel	Function	Value	Percent/Setting
1	Hue 1	000 ⇔ 255	0–100%
2	Saturation 1	000 ⇔ 255	0–100%
3	Value 1	000 ⇔ 255	0–100%
4	Hue 2	000 ⇔ 255	0–100%
5	Saturation 2	000 ⇔ 255	0–100%
6	Value 2	000 ⇔ 255	0–100%

1-Cell Personalities

1-Cell RGBAL FULL 17CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Dimmer fine	000 ⇄ 255	0–100%
3	Red	000 ⇄ 255	0–100%
4	Red fine	000 ⇄ 255	0–100%
5	Green	000 ⇄ 255	0–100%
6	Green fine	000 ⇄ 255	0–100%
7	Blue	000 ⇄ 255	0–100%
8	Blue fine	000 ⇄ 255	0–100%
9	Amber	000 ⇄ 255	0–100%
10	Amber fine	000 ⇄ 255	0–100%
11	Lime	000 ⇄ 255	0–100%
12	Lime fine	000 ⇄ 255	0–100%
13	Virtual Color Wheel	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
14	Color Temperature	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values
15	Strobe	000 ⇄ 010 011 ⇄ 255	No function Strobe, slow to fast
16	Color macros	000 ⇄ 015 016 ⇄ 255	No function Color macros
17	Control (hold for 3 seconds)	000 ⇄ 007 008 ⇄ 015 016 ⇄ 023 024 ⇄ 031 032 ⇄ 039 040 ⇄ 047 048 ⇄ 055 056 ⇄ 063 064 ⇄ 071 072 ⇄ 079 080 ⇄ 087 088 ⇄ 095 096 ⇄ 255	No function Dimmer reset Red shift on Red shift off S-curve dimmer Linear dimmer Square dimmer curve Inverse square dimmer curve Dimmer speed mode OFF Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 (slowest) Reserved for future use

1-Cell RGBAL Fine 10CH

Channel	Function	Value	Percent/Setting
1	Red	000 ⇄ 255	0–100%
2	Red fine	000 ⇄ 255	0–100%
3	Green	000 ⇄ 255	0–100%
4	Green fine	000 ⇄ 255	0–100%
5	Blue	000 ⇄ 255	0–100%
6	Blue fine	000 ⇄ 255	0–100%
7	Amber	000 ⇄ 255	0–100%
8	Amber fine	000 ⇄ 255	0–100%
9	Lime	000 ⇄ 255	0–100%
10	Lime fine	000 ⇄ 255	0–100%

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1-Cell RGBAL EXT 10CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
9	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart section for specific values
10	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

1-Cell RGBA EXT 9CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
8	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart section for specific values
9	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

1-Cell RGB EXT 8CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart section for specific values
7	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart section for specific values
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

1-Cell RGBAL 5CH

Channel	Function	Value	Percent/Setting
1	Red	000 ⇄ 255	0–100%
2	Green	000 ⇄ 255	0–100%
3	Blue	000 ⇄ 255	0–100%
4	Amber	000 ⇄ 255	0–100%
5	Lime	000 ⇄ 255	0–100%

1-Cell RGBA 4CH

Channel	Function	Value	Percent/Setting
1	Red	000 ⇄ 255	0–100%
2	Green	000 ⇄ 255	0–100%
3	Blue	000 ⇄ 255	0–100%
4	Amber	000 ⇄ 255	0–100%

1-Cell RGB 3CH

Channel	Function	Value	Percent/Setting
1	Red	000 ⇄ 255	0–100%
2	Green	000 ⇄ 255	0–100%
3	Blue	000 ⇄ 255	0–100%

1-Cell DMX-VCW-CCT 3CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Virtual Color Wheel	000 ⇄ 255	Refer to the Virtual Color Wheel Chart section for specific values
3	Color Temperature	000 ⇄ 255	Refer to the Color Temperature Chart section for specific values

1-Cell HSV 3CH

Channel	Function	Value	Percent/Setting
1	Hue	000 ⇄ 255	0–100%
2	Saturation	000 ⇄ 255	0–100%
3	Value	000 ⇄ 255	0–100%